

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11966

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H01F41/12 H01F27/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01F H02K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 841 526 A (ODAWARA AUTOMATION INC) 13 May 1998 (1998-05-13) column 1, lines 3-6 column 6, lines 12-58; figures 1,2 column 10, line 32 - column 11, line 11	1,8,9
X	DE 39 16 619 A (GOTTLOB THUMM GMBH) 29 November 1990 (1990-11-29) column 4, line 47 - column 5, line 18 column 6, lines 34-51; figure 1 column 9, lines 7-12,31-42	1,3,8,9
Y	GB 678 936 A (WESTINGHOUSE ELECTRIC INT CO) 10 September 1952 (1952-09-10) page 8, lines 65-99	1,3,8,9
	-/-	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

2 March 2004

Date of mailing of the international search report

09/03/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 0050, no. 55 (E-052), 16 April 1981 (1981-04-16) & JP 56 007422 A (MITSUBISHI ELECTRIC CORP), 26 January 1981 (1981-01-26) abstract	1,8
Y	PATENT ABSTRACTS OF JAPAN vol. 0050, no. 11 (E-042), 23 January 1981 (1981-01-23) -& JP 55 140218 A (MITSUBISHI ELECTRIC CORP), 1 November 1980 (1980-11-01) abstract; figures 3,4	1,3,8,9
A	PATENT ABSTRACTS OF JAPAN vol. 0051, no. 97 (E-086), 15 December 1981 (1981-12-15) & JP 56 118318 A (TOSHIBA CORP), 17 September 1981 (1981-09-17) abstract	1,8
A	DE 17 64 052 A (WILDING GERARD EDWARD) 3 February 1972 (1972-02-03) page 6, line 1 - page 7, line 18 page 10, line 18 - page 11, line 2	1,8
A	US 3 456 615 A (ZANDER HEINZ-JURGEN ET AL) 22 July 1969 (1969-07-22) column 1, line 57 - column 2, line 28 column 4, lines 57-67	1,8
A	US 3 782 325 A (JOHNSON L ET AL) 1 January 1974 (1974-01-01) column 2, lines 12-27 column 3, lines 8-15	1,8
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 10, 31 October 1997 (1997-10-31) & JP 9 148171 A (TOYOTA MOTOR CORP), 6 June 1997 (1997-06-06) abstract	1,8

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Information on patent family members

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